



FAIRFAX COUNTY PARK AUTHORITY

M E M O R A N D U M



TO: Chairman and Members
Park Authority Board

VIA: Michael A. Kane, Director *(initials)*

FROM: Cindy Messinger, Director
Resource Management Division

DATE: May 17, 2006

Agenda

Resource Management Committee
Wednesday, May 24, 2006 – 6:30 p.m.
Board Room – Herrity Building
Chairman: Frank S. Vajda

1. Scope Approval - Turkeycock Run Stream Restoration – Action*
2. Park Authority Stewardship Update – Information*

*Enclosures

cc: Timothy K. White
Leadership Team

Board Agenda Item
June 14, 2006

ACTION -

Scope Approval – Turkeycock Run Stream Restoration (Mason District)

ISSUE:

Approval of the project scope to construct stream restoration improvements to Turkeycock Run at Green Spring Gardens.

RECOMMENDATION:

The Park Authority Director recommends Park Authority Board approval of the project scope to construct stream improvements to Turkeycock Run at Green Spring Gardens.

TIMING:

Board action is requested on June 14, 2006, in order to maintain the project schedule.

BACKGROUND:

Green Spring Gardens is a 28.41 acre park located in the Mason District. In 2003, the Department of Public Works and Environmental Services (DPWES) completed plans through the Wilber H. Smith engineering firm to include a road entrance, pond renovation and stream restoration improvements at Green Spring Gardens Park as approved by the Park Authority Board.

The Department of Public Works and Environmental Services oversaw the development of plans, obtained permits and oversaw construction for the park entrance road improvements and pond renovations utilizing 1998 Park Bond funding. However, the stream restoration portion of the project was deferred to a later date due to pond renovation and entrance road construction, as well as changes to site staff. It was agreed with DPWES that the Park Authority would oversee the stream restoration portion of the project package using 2004 Park Bond funding.

Resource Management Division (RMD) staff have reviewed construction plans and specifications, walked the site to note constraints and changes in the stream, and held preliminary meetings and discussions with the Park Authority open-ended contractor Burgess & Niple to discuss their potential involvement for project administration

Board Agenda Item
June 14, 2006

services. The permits obtained for the two previous projects are still in place, and if those permits require extension in order to provide sufficient time to complete the stream restoration, staff will obtain those extensions. The existing plans detail the following activities:

- Removal of unstable and dangerous trees within the work area (some will be reused for stream restoration).
- Restoration of approximately 300 linear feet of stream bed and bank.
- Utilization of various innovative stream restoration techniques to provide structurally sound restoration, visual attractiveness and a teaching opportunity for stream restoration methods.
- Provision for restoration plantings that meet site goals for the long-term landscape plan.
- Provision of interpretive signage at several designed overlooks.

The preliminary cost estimate for constructing all of the elements in the approved plans is \$300,000. This funding amount is available in the 2004 Park Bond Stream Restoration category. This project is also consistent with the County's watershed goals and methods as outlined in the draft Cameron Run Watershed Management Plan.

FISCAL IMPACT:

Based on the approved project plans, funding in the amount of \$300,000 is necessary to fund this project. Funding is currently available in the amount of \$300,000 in Project 475004, Stream Restoration, Fund 370, 2004 Park Bond.

ENCLOSED DOCUMENTS:

Attachment 1: Turkeycock Run Stream Restoration Location at Green Spring Gardens

Attachment 2: Scope Cost Estimate – Green Spring Gardens Turkeycock Run Stream Restoration

Attachment 3: Development Project Fact Sheet – Green Spring Gardens Turkeycock Run Stream Restoration

Board Agenda Item
June 14, 2006

STAFF:

Michael A. Kane, Director

Timothy K. White, Chief Operating Officer

Lynn S. Tadlock, Director, Planning and Development Division

Cindy Messinger, Director, Resource Management Division

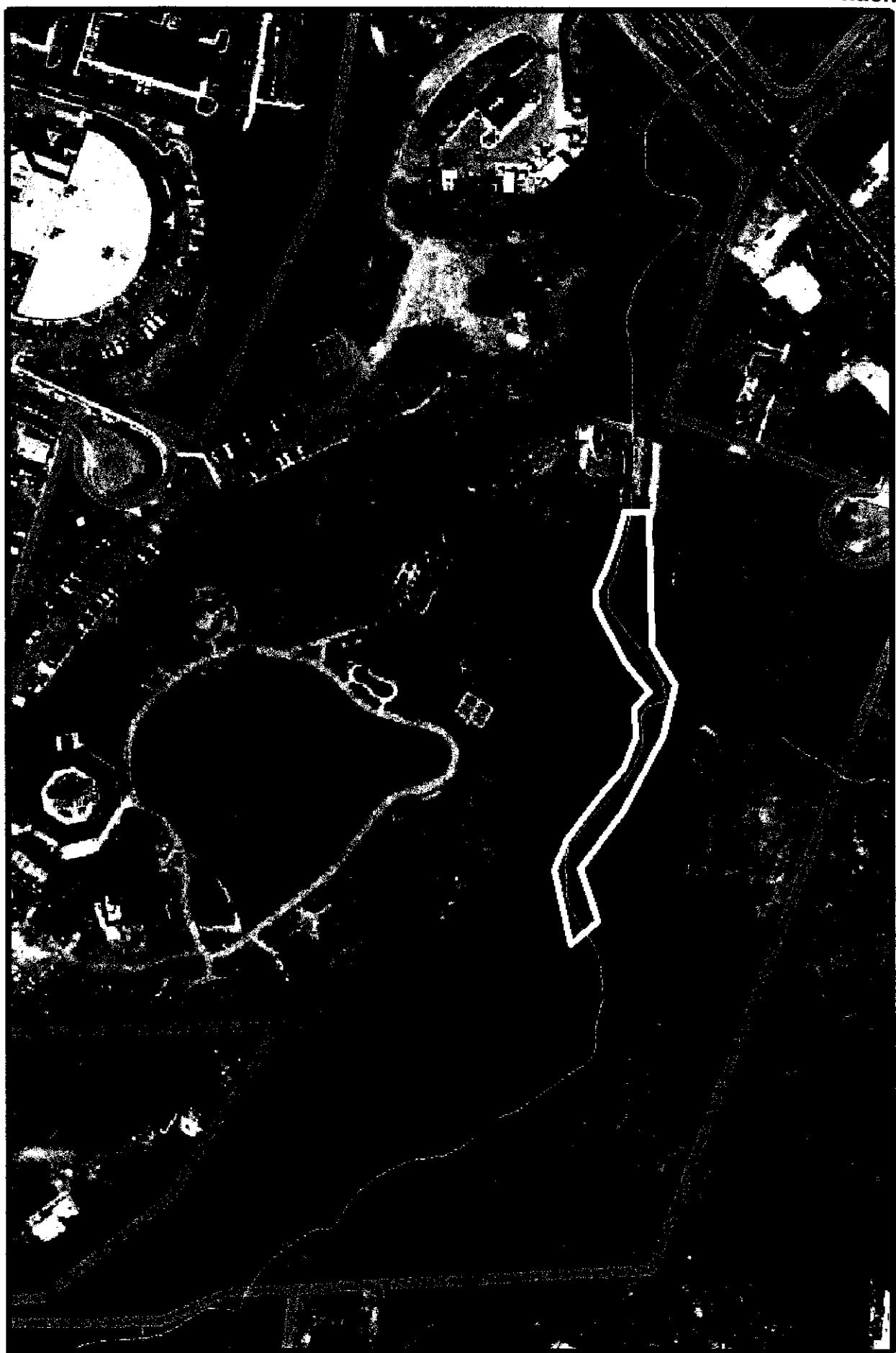
Todd Johnson, Director, Park Operations Division

Michael Rierson, Manager, Resource Stewardship Branch

Mary Olien, Manager, Green Spring Gardens Park

Charles Smith, Senior Natural Resource Specialist

Turkeycock Run Stream Restoration Location at Green Spring Gardens



Park Boundary

Approximate Project Location

Fairfax County Park Authority
May 2006

SCOPE COST ESTIMATE

Green Spring Gardens Turkeycock Run Stream Restoration

Construction Administration	\$ 40,000
Construction Costs (including mobilization)	\$ 200,000
Landscaping	\$ 20,000
Interpretive Signage	\$ 10,000
Construction Contract Contingency (10%)	<u>\$ 30,000</u>
Total Project Estimate	\$ 300,000

DEVELOPMENT PROJECT FACT SHEET

Green Spring Gardens Turkeycock Run Stream Restoration

DISTRICT:

Mason

PARK:

Green Spring Gardens

PARK CLASSIFICATION:

Horticultural

PROJECT NAME:

Turkeycock Run Stream Restoration

Project Scope:

- Prepare construction bid package with existing approved plans.
- Construction oversight and administration by Park Authority open-ended contractor.
- Remove unstable and dangerous trees prior to construction with reuse of parts (stems & root wads) in stream restoration to the greatest extent possible.
- Construct 300 linear feet of stream improvements.
- Provide landscaping and replanting as per site landscape plans.
- Provide interpretive signage at several overlooks.

Project Funding:

- Project Scope Cost Estimate: \$300,000
- Funding Sources: \$300,000 in Project 475004, Stream Restoration Funds, Fund 370, 2004 Park Bond.

Project Timeline:

Bid
Construction
Restore

Planned Completion
1st Qtr 2007
2nd to 3rd Qtr 2007
4th Qtr 2007

Board Agenda Item
June 14, 2006

INFORMATION -

Park Authority Stewardship Update

The purpose of the Stewardship Update is to provide information to the Park Authority Board, the Leadership Team and Park Authority staff on current collections management, cultural and natural resource issues, projects of note, and updates on activities related to the implementation of the Cultural Resource Management Plan (CRMP) and the Natural Resource Management Plan (NRMP). Areas of emphasis include:

- Education on current issues.
- Status of projects of note.
- Items of note from the CRMP and NRMP implementation plans.

To reflect a broader focus and to emphasize all aspects of stewardship, collections and cultural resource management sections have been added to the update.

At the May 24, 2006 Resource Management Committee, staff will provide an update on the Invasive Management Area Program, an update on collections activities and a highlight of the historic aerial photo project.

ENCLOSED DOCUMENTS:

Attachment 1: Park Authority Stewardship Update

Attachment 2: Invasive Management Area Program 2006 - Fact Sheet

Attachment 3: Home Depot Habitat Display - Photos

STAFF:

Michael A. Kane, Director

Timothy K. White, Chief Operating Officer

Cindy Messinger, Director, Resource Management Division

Lynn Tadlock, Director, Planning and Development Division

Charles Bittenbring, Director, Park Services Division

Todd Johnson, Director, Park Operations Division

Miriam Morrison, Director, Administration Division

Park Authority Stewardship Update
Collections
May 2006

Attachment 1

Item	Background	Status	Lead Agency
POLICY and PLANNING			
Sully Interpretive Plan	Sully Historic Site is in the process of writing a formal interpretive plan. The Collections Manager and CRMP Manager are members of the planning team.	An outline has been approved, a preliminary discussion of potential themes discussed, and writing of portions of the plan is underway.	Park Authority
EDUCATION AND OUTREACH			
Jamestown 2007	Collections Management and CRMP are producing several exhibits in support of the Jamestown 2007 commemoration.	From Sun & Stars to Satellites: <i>finding Our Place in time and Space</i> was installed in the Government Center exhibit case. The exhibit features a 17th century brass sundial on loan from the Virginia Department of Historic Resources and is scheduled to run through May 15, 2006.	Park Authority
Cross County Trailfest	The Cross County Trailfest opening features a variety of events, exhibits and programs.	Collections Management staff produced an exhibit in support of the Cross-County Trail event, <i>Life Along the Road</i> , that was on display at the Colvin Run Mill trailhead on May 6.	Park Authority
Outreach Exhibits	The Collections Management Section has an ongoing schedule of outreach exhibits designed to reach new audiences.	The exhibit A Celebration of African-American Families of Mason District was on display at George Mason Regional Library through the month of February into early March, where it was seen by a potential audience of over 29,000.	Park Authority
Museum Collections Web Page	The Museum Collections web page features exhibits designed to expand public exposure to the Historic Object Collections and to provide technical information on care of historic materials.	An exhibit on a Civil War era tree carving was added to the Museum Collections web page. A web exhibit featuring the Park Authority's Civil War resources is now under development and projected to be on line late summer 2006.	Park Authority
Oral History Training	Through oral history training programs conducted by Collections Management staff, the Park Authority shares its expertise in this aspect of public history.	At the request of the coordinator of Supervisor Hyland's Mt. Vernon District Oral History Project, the Collections Manager conducted an oral history training session for project members.	BOS
Collections Stewardship Committee	The Collections Stewardship Committee meets monthly and is comprised of Collections Management staff, staff members from each site that exhibits Historic Object Collections and CRMP staff.	The CSC completed the master draft of <i>Collections Orientation for New Staff</i> , a packet of materials and activities designed to introduce new site staff to their collections stewardship responsibilities.	Park Authority

Park Authority Stewardship Update
Collections
May 2006

Item	Background	Status	Lead Agency
Professional Conferences	Collections Management staff routinely present technical programs to audiences of museum professionals at workshops and conferences, promoting the Park Authority as a leader in stewardship and reaching audiences not typically served through site programs.	Three programs were presented, two at the Annual Meeting of the Virginia Association of Museums (<i>Collections Management Roundtable</i> and <i>Faux Foods Workshop</i>) and one at the American Association of Museums Annual Meeting (<i>Shoestring Solutions for Collections Storage</i>), reaching a total audience of 310 people. At the annual meeting, Collections Manager Jeanne Nicolls was elected to the VAM Council.	Park Authority
PARTNERSHIPS	Site Support Groups	Collections Management works with site support and friends' groups on site history, research and acquisitions issues.	Loan agreements covering the live animal and modern equipment collections on loan to the Park Authority were finalized and signed by the Founders, Benefactors, Supervisors and Friends of Frying Pan Farm Park.
George Mason University - Department of History	The Annual Collections Symposium is conducted in partnership with George Mason University, enhancing the scholarship and credibility of the program and providing appropriate lecture space and support at nominal cost to the Park Authority.	The 19th Annual Collections Symposium, Before You Can Cook: Acquiring Foods and Kitchenware in Early America, was attended by 195 people. The program took in \$1624 in Museum Sales and \$10,070 in registrations.	Park Authority
HISTORIC RESOURCES/RESEARCH	Historic Object Collection	The Park Authority continually improves the quality of the permanent Historic Object Collection through the acquisition and deaccession processes.	A total of 56 objects have been added to the permanent Historic Object Collections since July. Another 28 items were placed on loan to the Park Authority.
Mt. Gilead		In support of the Mt. Gilead Cultural Landscape Report and future interpretation of the site, the Park Authority has been collecting research materials.	The Park Authority received a donation of 25 objects. We also received two loans of another 23 items and an album of photographs and documents, all related to Mt. Gilead, so that we could photocopy the contents for research.

Park Authority Stewardship Update
Collections
May 2006

Item	Background	Status	Lead Agency
RESOURCE MANAGEMENT			
Conservation Treatment	The Park Authority annually undertakes a series of conservation treatment projects for its Historic Object Collections, including items from the Carlotta Gonzales Lahey Collection. Certified conservators assess selected items and perform the necessary treatment.	Eight objects are currently receiving conservation treatment from painting, paper and furniture conservators. Estimates are being sought for repair of the Richard Bland Lee looking glass.	Park Authority
Environmental Monitoring Project	Two years ago Collections Management and members of the Collections Stewardship Committee embarked on a multi-year project to monitor the temperature and humidity of all of the exhibit and storage spaces housing Collections with the help of a consultant conservator. The goal of the project is to have a year-round picture of changes that occur in each space. Interpretation of the results will identify spaces that meet the requirements for museum collections housed in historic structures and those spaces that do not. For those spaces, recommendations will be made for further steps to be taken.	Park Authority data loggers and shuttles were recalibrated, damaged equipment replaced and locations for the third year of monitoring identified. Data loggers were launched in their new locations, tested for operational effectiveness and the third year of monitoring has begun.	Park Authority
Lorton Prison Collections	The BOS is looking at the possibility of placing the Lorton Prison Collections on loan to the Park Authority for their cataloging, housing and storage until appropriate museum space is created at Laurel Hill.	The Collections Manager worked with the project director assisting with location of a conservator to conduct an assessment of the prison chapel crucifix.	BOS
Digitization Project	The Resource Management Division is embarking on a long-term project to digitize its Archival Collections and site historic materials so that they will be in a conversion-ready format suitable for new and future technology.	Estimates being obtained from companies able to accommodate project requirements to digitize photograph and video images and prepared a group of taped materials (the oldest technology) for conversion.	Park Authority

Park Authority Stewardship Update
Cultural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
POLICY & PLANNING	<p>Cultural Resource Management Plan has been developed and was approved. The Plan will enable the agency to develop policies and practices to help protect, manage and interpret cultural resources.</p> <p>Cultural Resource Management Plan Implementation Plan</p>	<p>The Plan went out for public comment December 2005-February 2006. Comments were addressed in the Plan. The Plan was approved by the Park Authority Board on April 26, 2006.</p> <p>A team is being assembled to design the first year implementation plan for the Cultural Resource Management Plan.</p>	Park Authority
Archaeology Ordinance for Historic Overlay Districts	The Cultural Resource Management and Protection Section and DPZ staff have been working to develop an ordinance that would require that archaeology be completed for proposed projects in Historic Overlay Districts at the time of application.	This draft ordinance will be presented to the Park Authority Board, the Fairfax County History Commission and the Fairfax County Architectural Review Board, among other groups. It will be subject to public hearing and is projected to be brought to the Board of Supervisors in late October 2006.	DPZ
EDUCATION AND OUTREACH	Middle Atlantic Archaeology Conference	<p>The Cultural Resource Management and Protection Section routinely present technical papers and chair symposia to cultural resource professionals and avocational archaeologists at workshops and conferences, promoting the Park Authority as a leader in stewardship and reaching audiences not typically served through site programs. Three staff members from the Cultural Resource Management and Protection Section presented papers at the Middle Atlantic Archaeology Conference (MAAC) in Virginia Beach, Virginia from March 23 through Sunday March 26.</p>	<p>Park Authority</p> <p>The conference addressed both prehistoric and historical archaeological topics. Liz Crowell presented a paper entitled: "Developing a Cultural Resource Management Plan for Fairfax County, Virginia". Mike Johnson presented a paper entitled: "Watlington and Kestline Sites: A Middle Archaic Settlement Pattern Shift". John Rutherford presented "The Examination of Early Historical Aerial Photography and its Implications." Liz Crowell serves as Secretary, Chairman of the Awards Committee and was a judge in the Student Paper Competition. The papers reported on the progress of research and projects being conducted by Cultural Resource staff.</p> <p>As a result of the presentation, Liz Crowell and John Rutherford were invited to make presentations at the upcoming Transportation Research Board Meetings in July in Williamsburg, Virginia.</p>

Park Authority Stewardship Update
Cultural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
Lifetime Learning	Cultural Resource Management and Protection Section Staff made two presentations and conducted a site tour for senior citizens enrolled in the Lifetime Learning program.	This is an ongoing initiative conducted by the Cultural Resource Management and Protection Section.	Park Authority
Interpretive Signage	Prepared and installed six interpretive signs at Mount Air Historic Site that were unveiled at the Mount Air site opening on April 28, 2006.	We now have six interpretive signs at Mount Air. Each sign interprets the history, archaeology or architectural resources on the property.	Park Authority
Interpretive Signage	Prepared interpretive signs for Wakefield Park in preparation for the opening of the Cross County Trail.	Three interpretive signs were developed for Wakefield interpreting the Native American occupation of the site; the Civil War use of the site and African American occupation.	Park Authority
PARTNERSHIPS		The project is just underway and establishes an important partnership with the State Parks and FCPA to survey and test the area of the Mason family house. This project is important both to the FCPA and to Gunston Hall because it will provide additional information on the Mason family.	Park Authority/Virginia State Parks
Lexington Archaeology	Virginia State Parks provided grant money to the Park Authority to hire an archaeologist to supervise volunteers for an archaeological survey at Lexington.	Cultural Resource Staff (John Rutherford and CK Galley) and GIS staff (Scott Sizer) georeferenced (made the photos to the same scale) so they could be used with the tax maps in GIS. These photos are an important tool in site assessment, because they can show what was on the property prior to mass development.	Park Authority/GIS/NA RA
Digitizing and Georeferencing Historic Aerial Photographs	The Resource Stewardship Branch of the Park Authority and GIS partnered to digitize negatives of the 1937, 1943 and 1954 historic aerial photographs for the county.		
CULTURAL RESOURCES/RESEARCH		The project has identified several prehistoric archaeological sites, one dating to ca. 9500 years ago (The oldest object found in Fairfax County is a Clovis point dating 14,000 before present). The historical archaeological sites probably relate to slave or tenant occupation of the property.	Park Authority
Horne Tract Archaeology	The Cultural Resource Management and Protection Section contracted with Louis Berger Group to conduct archaeology of the Horne Tract. The archaeological study will guide the placement of recreational facilities in those locations with low cultural resource potential.	The Cultural Landscape Report was prepared by JMA and identifies significant resources and periods of significance for the property. The report provides information to assist with park development.	Park Authority
Mount Gilead	A Cultural Landscape Report has been prepared for Mount Gilead to guide the development of the property and to be used as a tool, with other cultural resource studies to interpret the park.		Park Authority

Park Authority Stewardship Update
Natural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
POLICY & PLANNING	<p>Environmental Excellence for Fairfax County: A 20-Year Vision</p> <p>At its regular meeting on Monday, June 21, 2004 the Fairfax County Board of Supervisors endorsed and adopted the Environmental Excellence 20-year Vision Plan, originally drafted by Chairman Gerald E. Connolly and a group of about two dozen Fairfax County environmentalists (this Environmental Vision is also known as the Environmental Agenda).</p> <p>The plan is organized into six areas, including: growth and land use; air quality and transportation; water quality, solid waste; parks/trails/open space; and environmental stewardship.</p>	<p>NRMP staff continues to participate in a committee to develop an Environmental Improvement Program (EIP) to implement the Environmental Agenda. The FY 2007 EIP was presented to the Board of Supervisors Environmental Committee on September 19, 2005. The team is currently meeting to develop the FY 2008 EIP and expects to present it to the Board of Supervisors Environmental Committee in September 2006.</p>	ECC
Environmental Quality Advisory Council	<p>The Environmental Quality Advisory Council's (EQAC) purpose is to advise the Board of Supervisors on environmental issues and its principal product is the Annual Report on the Environment. EQAC members are appointed by the Board of Supervisors.</p>	<p>The joint Park Authority Board and EQAC meeting on February 8, 2006 went very well with positive feedback on the stewardship brochures and other media; the Invasive Management Area program; the Sully Woodlands Regional Master Plan; and updates on Geospatial Analysis/Green Infrastructure and Deer Management. Park Authority support and subsequent discussions with EQAC members about funding for the county deer program resulted in follow-up discussions that may yield additional staff funding for the county program in FY 2008.</p>	ECC
EDUCATION AND OUTREACH	<p>Stewardship Education Team</p> <p>As part of the Cultural Resource Management Plan and the Natural Resource Management Plan and in response to the 2003 All Hands staff meeting that focused on values, an agency wide strategy was developed to emphasize Stewardship Education.</p>	<p>The Stewardship Education Team (SET) continues to meet regularly. Recently, SET members planned and staffed an engaging booth with a stewardship theme for the Fairfax County Earth Day Expo on April 21, 2006. Team members also conducted a stewardship exercise (a hands-on activity and a presentation) at the new employee orientation which was also held on April 21, 2006.</p>	Park Authority

Park Authority Stewardship Update
Natural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
Hidden Oaks Nature Center Backyard Habitat	<p>The Friends of Hidden Oaks Nature Center (FOHONC) has partnered with Hidden Oaks, with support from the National Wildlife Federation (NWF) and in partnership with local branches of The Home Depot. The 5-year goal is to have a significant percentage of Mason District households as NWF-certified Backyard Habitats. This would make Mason District one of only a dozen NWF certified natural communities in the United States.</p>	<p>With the support of the Mason District Board of Supervisors and Park Authority Board representatives, Hidden Oaks launched the program in the Spring of 2005. The NWF volunteer partnership was completed in June 2005. Last fall, Hidden Oaks launched educational/interpretive messages into the community through FOHONC-sponsored programs to create food, shelter, and water for native flora/fauna. They partnered successfully with The Home Depot in the Spring of 2006 for three in-store displays. Several dozens residents have now registered habitats with NWF for Mason District; the goal is 1000 participants. New partners include: Audubon of Northern Virginia and Northern Virginia Conservation Trust. Hidden Oaks acts as support for the program within the community.</p>	Park Authority
Wildlife Adventures	<p>Tony Bulmer of Ellanor C. Lawrence Park has teamed up with Mark Garrah of Production Services to produce short educational films on natural history topics in the last several years. The fourth film was completed in March 2006.</p>	<p>The newest Wildlife Adventure is a 21-minute film shot on location at Sully Woodlands. The film uses the natural diversity of this great park property to introduce viewers to three habitats and focuses on the reptiles and amphibians that live there - including the northern copperhead snake. The film features wonderful animals and a strong stewardship message. It is fun and educational and is ideal for nature centers, schools and county cable television audiences.</p>	Park Authority

PARTNERSHIPS

Park Authority Stewardship Update
Natural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
Board of Supervisors Environmental Agenda - Buffer Restoration	<p>A stream buffer restoration project was funded by the Board of Supervisors with carryover funding earmarked for implementation of the Environmental Agenda. This Department of Public Works (DPWES) led project will focus on restoration of stream buffers on park land.</p>	<p>Spring planting sites were announced to the Park Authority Board in the Director's Matters of March 22, 2006. There are nine sites in Providence, Mason, Dranesville, Sully, and Hunter Mill districts. Once again Earth Sangha is organizing the majority of the sites with excellent turnout. Some of the organizations involved this year include the Vienna Mom's Club, the employees of the Environmental Protection Agency Office of Pesticides, an Interfaith group, and the employees of America Online.</p>	DPWES
WATER RESOURCES	<p>Watershed Planning</p> <p>Watershed Plans will be created for all major Fairfax County watersheds to replace watershed management plans that were drafted in 1976. The Chesapeake 2000 Bay Agreement requires substantial public involvement in creating watershed management strategies.</p>	<p>Watershed plan development is underway for Difficult Run, Cameron Run, Cub Run/Bull Run and Middle Potomac watersheds with the Popes Head Creek plan still awaiting Board of Supervisor's approval. NRMP staff provided input and feedback to DPWES staff for proposed projects in two watershed plans: Cameron Run and Difficult Run. Park Authority staff continue to work with DPWES staff to refine the process of reviewing, coordinating and implementing watershed plan identified projects. Park Authority staff partnered with DPWES staff to present information on the Cub Run Watershed Plan and the Sully Woodlands Regional Master Plan to the Pleasant Valley and Greenbriar Homeowners Associations in March 2006.</p>	DPWES
Huntley Meadows Park Wetlands	<p>Since the 1990s the level of beaver activity in the main wetland at Huntley has been declining as the wetland silted in and available food from trees was removed by the beavers. The beavers abandoned their dam over the last year and the dam breached, causing a draw-down and draining of the wetlands.</p>	<p>Water levels have remained fairly constant but are still far lower than historic levels due to the siltation issues and the central wetland. No staff intervention was necessary for short term maintenance. Staff met with Burgess & Niple (county open-ended contractor for survey, design and engineering services) and received a proposal from them in late April which is under review.</p>	Park Authority

Park Authority Stewardship Update
Natural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
Board of Supervisors Environmental Agenda - Low Impact Development Design Project	This Environmental Agenda funded project is to design and install Low Impact Development (LID) stormwater management features on park land to provide stormwater benefits and incorporate an educational component to demonstrate different LID techniques to the public.	During March and April designs were finalized for Mt. Vernon and substantially completed for Audrey Moore. The plans for Cub Run were submitted to DPWES Land Development Services for permitting with projected construction for June-July 2006. Plans are still be finalized for South Run and Greendale Golf Course.	Park Authority
Barnyard Run Stream Stabilization (Huntley Meadows)	The Park Authority is partnering with DPWES to stabilize Barnyard Run as it enters Huntley Meadows Park. The project goals are to stabilize the stream, settle out incoming sediment and reduce sedimentation in the down-stream wetlands.	Site work was substantially completed in April 2006. A walk through to develop the punch list is planned for the second week of May.	DPWES
2004 Bond Stream Stabilization Plans	The 2004 Park Bond contains funding for stream restoration projects on park land.	Scoping for the Huntley Meadows and Turkeycock Run stream projects was completed in March and April. Staff will request that \$700,000 of the 2004 bond funding for streams be allocated to the Barnyard Run/Huntley wetlands project and the remaining \$300,000 to the Turkeycock Run at Green Springs project. The scopes for Turkeycock Run will be presented to the board at the May 24, 2006 Resource Management Committee meeting and the Huntley Meadows scope is anticipated to be presented at the June 28, 2006 Resource Management Committee.	Park Authority

Park Authority Stewardship Update
Natural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
RESOURCE MANAGEMENT	<p>Board of Supervisors Environmental Agenda - Invasive Management Area Program</p> <p>This Environmental Agenda funded project is to remove invasive species from parkland. This program fits neatly with the goals of the Natural Resource Management Plan to educate the public about natural resource issues and to take management action with regards to invasive species.</p>	<p>We are creating a new volunteer program that will take a holistic approach to natural resource management. Our program will enable residents to learn about invasive species, remove invasive species, and replant native species - all on parkland. The program is called the Invasive Management Area or "IMA" Volunteer Program. The program officially kicked off March 25, 2006 in conjunction with Northern Virginia Soil and Water Conservation District's Neighborhood Ecological Stewardship Training (NEST) of which we are a full partner. Since then we have held three joint IMA/NEST programs on Fairfax County ecology, namely Soils and Plant Species (Invasive and Native). On April 30, 2006 we had our first IMA workday at Rutherford Park in Braddock District. In the next few months we will be matching volunteer leaders with sites and getting them started on removing invasives. Over the course of this summers' season, we hope to remove invasives at 20 different parks, so that in the fall we can replace the invasives with native vegetation.</p>	<p>Park Authority County Wildlife Biologist</p>
Deer Management	<p>Overpopulation of deer in Fairfax County presents problems for public safety as well as natural resource concerns. The Park Authority is participating in a county-wide deer management program run by the County Wildlife Biologist. Activities include deer reduction in several parks approved by the Park Authority Board.</p>	<p>The 2005-2006 permit season ended at the end of March. Two new sites, Sully Woodlands and Clark's Crossing/Tamarack, were added this year with increased numbers of deer shot over the 2004-2005 permit season. Two managed hunts were held. The overall number of herd reduction events and deer taken were still relatively low due largely to unfunded needs in the County Wildlife Biologist section of Animal Control. Staff will prepare a report for submission to the Park Authority Board in July.</p>	<p>Park Authority County Wildlife Biologist</p>

Park Authority Stewardship Update
Natural Resource Management and Protection
May 2006

Item	Background	Status	Lead Agency
Goose Egg Addling	<p>Overpopulation of geese in Fairfax County presents problems for public health and natural resource (primarily water quality) impacts as well as substantial economic impact due to large quantities of feces deposited in public use areas. The Park Authority is participating in a county-wide goose egg addling in coordination with the County Wildlife Biologist. Activities include addling in up to a dozen sites by trained paid and volunteer staff. The Park Authority holds its own federal permit for this purpose that is renewed annually.</p>	<p>NRMP coordinated a countywide goose egg addling training session on March 17, 2006 which was attended by Park Authority fifteen staff and volunteers, staff from the County Wildlife Biologist's office, and several volunteers for Geese Peace and other organizations. Addling is underway at Lake Accotink, Burke Lake, Area 4, Pleasant Valley Golf Club, Laurel Hill Golf Club, Twin Lakes Golf Course, Greendale Golf Course, Green Spring Gardens, Pinecrest Golf Course, Huntley Meadows and Jefferson Golf Course.</p>	Park Authority County Wildlife Biologist

Invasive Management Area Program 2006 - Fact sheet

Project Goals

- Capitalize on support and momentum from the public to do something about non-native, invasive plant and animal species; garner community involvement and support.
- Educate the public about the effects of non-native, invasive plant and animal species.
- Participate in outreach opportunities regarding non-native, invasive plant and animal species.
- Develop healthy woodlots with uneven-aged stands of mixed trees, shrubs and ground cover with a floor of leaf litter and debris that are free of invasive plant species.

Approach

Establish an Invasive Management Area (IMA) Volunteer Program, drawing from "Friends of" groups, non-profit partners such as the Northern Virginia Conservation Trust, and individual volunteers. The IMA Volunteer Program will enable motivated individual volunteer leaders to manage a specific area for one to three of our six priority invasive species, and volunteers with more time constraints to come to only one or a few events. Volunteers will be removing invasives by hand, requiring no heavy equipment. Ground disturbance will be kept to the minimum amount required to remove the roots of the invasive plants and to replant with native species. Monitoring of outcomes, multiple removal events and restoration are all needed to succeed. As such, IMA leaders will need to take on a higher level of responsibility, and commit to the entire program of five to seven months (depending on the site). An IMA Program Coordinator will serve as the Park Authority point of contact.

Key points of the program:

- 1) Establish a long-term commitment to the area chosen (at least three invasive removal dates, one planting date)
- 2) Invasive plant species removal is coordinated with education
- 3) Invasive plant species removal is by hand, without pesticides or heavy equipment
- 4) Invasive plant species removal is followed by native plant species replanting, so that a restored, forested riparian buffer is the final outcome
- 5) Invasive plant species removal follows the guidelines for General Woodlot Management, Chapter 3.3 of the Riparian Buffers Guidance Manual, and is in accordance with known applicable laws and regulations

Training

All IMA Volunteer Leaders will attend training sessions so that they: 1) become familiar with the constraints of working in the floodplain ecosystem; 2) learn the proper method of invasive plant species control; 3) develop an understanding of the ecology of the Chesapeake Bay Watershed. A partnership with the Northern Virginia Soil and Water Conservation District's Neighborhood Ecological Stewardship Training provides one of the required training sessions for the IMA Volunteer Leaders.

Timing

- Work will typically include three invasive species removal events, and a planting event (timing & species dependent on site conditions)
- Invasive removal work days begin April 30th and will occur periodically through September, approximately every 4- 6 weeks at each site.
- Plantings will occur in October 2006.

Locations

All sites will be located on Park Authority property. Several sites are located within the 100 year floodplain (outside of vernal pool or floodplain wetland areas), but still within the critical 100-foot riparian buffer location. Sites will typically be ½-acre, although the final work area will depend on the density of invasive species, the length and number of work days and the number of volunteers at each site.

Partnerships and Consulted Organizations

Northern Virginia Soil and Water Conservation District

Earth Sangha

Fairfax ReLeaf

Fairfax County, Department of Public Works and Environmental Services

Virginia Native Plant Society, Potowmack Chapter

Friends of Riverbend Park

Reston Association

Weed Warriors, The Nature Conservancy

Weed Warriors, Montgomery County Parks

InvasivePlants.org

Audubon at Home

Northern Virginia Conservation Trust

Potomac Conservancy

List of Proposed IMA Sites

Americana/Wakefield	Huntley Meadows	Piney Branch Stream
Bryn Mawr	Huntley Meadows Shop	Valley – 2 sites
Churchill Road	Johnny Moore Stream	Poburn Woods
Cub Run RECenter	Valley – 2 sites	Riverbend – 2 sites
Cub Run Stream Valley	Kings Park	Roundtree Park
Difficult Run-Fox Mill Road	Lake Accotink – 2 sites	Rutherford
Difficult Run	Little Difficult Run – 2 sites	The Turner Farm
Leesburg Pike	Mason District	Wakefield
Fairfax Villa	McLean Central Park	Waverly – 2 sites
Flag Run	McLean Hamlet	Woodglen Lake
Hidden Oaks	Mt Zephyr Park	
Hidden Pond	Olney	

Home Depot Habitat Displays

